

ALASKAN *Works* COPPER

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P.O. Box 3546 • Seattle, Washington 98124
Telephone: (206) 623-5800

August 13, 1992

Ms. Christie True
Metro Industrial Waste Section
Senior Industrial Waste Investigator
130 Nickerson Street, Suite #200
Seattle, WA. 98109-1658

Dear Ms. True:

The Metro Self Monitor Report for June 25, 1992, had shown that sample #M24970A for site 7238 was high in nickel (7.9 ppm). When I received this report I contacted you and submitted the sample to another lab. Their finding had shown the nickel levels were considerably lower (1.2 ppm). After confering with Mark Perrin of Freidman and Bruya Inc. it is felt that the first report was wrong, possibly due to laboratory error. We feel that the second report is factual. Attached are the reports from both laboratories.

If you have any questions or need further information, please call. I can be reached at 623-5800, Ext. #218.

Very truly yours,

ALASKAN COPPER WORKS



Gerald A. Thompson
Industrial Waste Assistant.

GAT:sw
enclosures

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: July 1, 1992

Date Submitted: June 25, 1992

Project: 7238 & 7201, Metro Self Monitor, PO #M24970

**RESULTS OF ANALYSES OF THE WATER SAMPLES
FOR SELECTED METALS BY ICP (6010)
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M24970A Site 7238	1.7	0.31	7.9	1.5
M24970B Site 7201	1.4	0.65	1.6	2.1

Quality Assurance

Method Blank	<0.03	<0.03	<0.03	<0.03
M24970B Site 7201 (Duplicate)	1.5	0.76	1.7	2.1
M24970B Site 7201 (Matrix Spike) Percent Recovery	104%	95%	110%	100%
M24970B Site 7201 (Matrix Spike Duplicate) Percent Recovery	105%	97%	112%	100%
Spike Blank Percent Recovery	82%	87%	101%	92%
Spike Level	5	5	10	5



Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

Chemistry, Microbiology, and Technical Services

CLIENT: Alaskan Copper Works
628 S. Hanford
Seattle, WA 98134

ATTN : Gerald Thompson

Work ID : Metro Verification
Taken By : Client
Transported by: Hand Delivered
Type : Water

Certificate of Analysis

Work Order# : 92-07-B27

DATE RECEIVED : 07/21/92

DATE OF REPORT: 07/30/92

CLIENT JOB ID : M25336

SAMPLE IDENTIFICATION:

	Sample	Description
01	No Id	

FLAGGING:

The flag "U" indicates the analyte of interest was not detected, to the limit of detection indicated.

ATTACHMENTS:

Following presentation of sample results, the following appendices are attached to this report:

Appendix A: Method Blank Report

Appendix B: MS/MSD Report

Unless otherwise instructed all samples will be discarded on 09/10/92

Respectfully submitted,
Laucks Testing Laboratories, Inc.

J.M. Owens
J. M. Owens

RECEIVED
AUG 3 1992



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Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

Chemistry, Microbiology, and Technical Services

CLIENT : Alaskan Copper Works

Certificate of Analysis

Work Order # 92-07-B27

TESTS PERFORMED AND RESULTS:

Analyte	Units	<u>01</u>
Chromium (Method 218.1)	mg/L	1.3
Copper (Method 220.1)	mg/L	0.64
Nickel (Method 249.1)	mg/L	1.2
Zinc (Method 289.1)	mg/L	1.9



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